

Title (en)

Automatic waterproofing apparatus for joint of electric wires

Title (de)

Automatische Vorrichtung für wasserdichte Verbindung von elektrischen Kabeln

Title (fr)

Appareil automatique pour des liaisons étanches de câbles électriques

Publication

EP 0644639 B1 19961227 (EN)

Application

EP 94114319 A 19940912

Priority

JP 23625393 A 19930922

Abstract (en)

[origin: EP0644639A1] An automatic waterproofing apparatus (K) for automatically waterproofing a joint (13) of electric wires (2A, 2B), comprising: a plurality of pallet jigs (12) each of which is formed with a recess (14) for receiving the joint (13), a pair of slots (15A, 15B) for receiving the electric wires (2A, 2B) and an air vent hole (16A, 16B) communicating with the recess (14); a transport device (11) for continuously transporting the pallet jigs (12); a sheet feeding device (23) for feeding onto an upper face (12a) of each pallet jig (12) a flexible band-like sheet (24); a slit forming device (25) for forming at opposite sides of the sheet (24) a pair of slits (24a, 24b) corresponding to the slots (15A, 15B), respectively; a suction device (26) for sucking air in the recess (14) of each pallet jig (12) from the air vent hole (16A, 16B) so as to bring the sheet (24) into close contact with the recess (14); a joint placing device (30) for placing the joint (13) in the recess (14) and inserting into the slots (15A, 15B) through the slits (24a, 24b) the electric wires (2A, 2B) disposed at opposite sides of the joint (13); a filler injecting device (32) for injecting a predetermined quantity of filler (35) into the recess (14); and an adhesive tape bonding device (36) for bonding an adhesive tape (37) to the sheet (24) such that the recess (14) is closed by the adhesive tape (37). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

EP2161787A4; EP0939463A3; EP0721231A3; EP2234120A3; US6382612B1; US6470567B1; US6549725B1

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